

FIG. 1

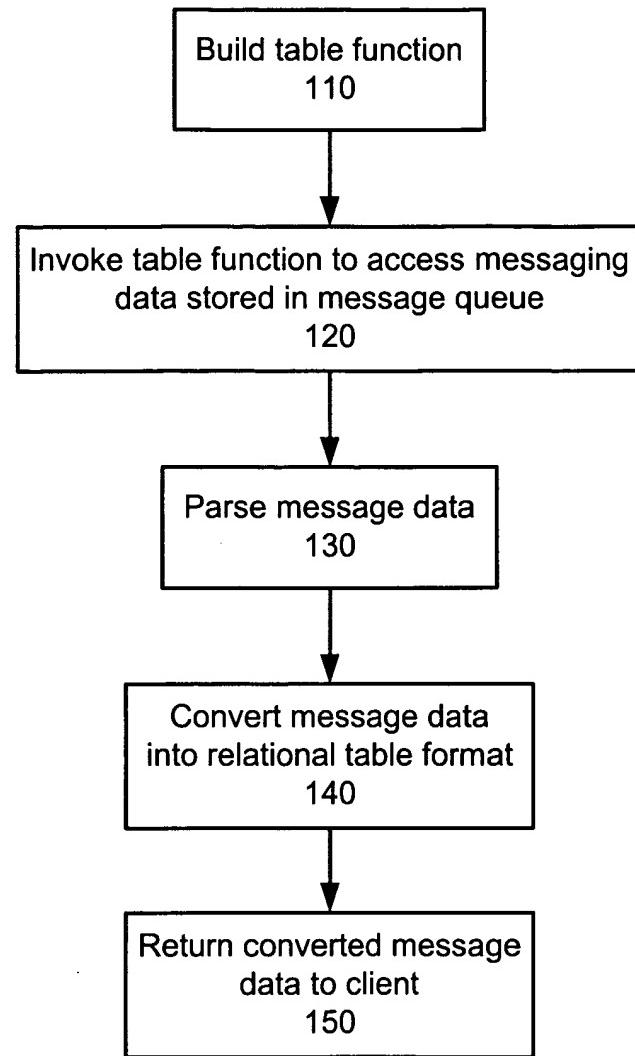


FIG. 2

10027659 010202

1. UDF Type
2. UDF Name
3. Target Database
4. Source MQ
5. Message Format
6. Column Definition
7. Options
8. Summary

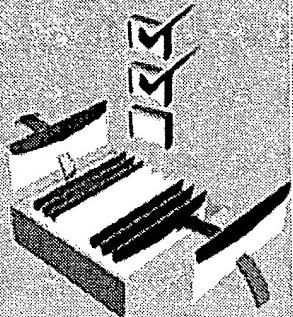
UDF Type

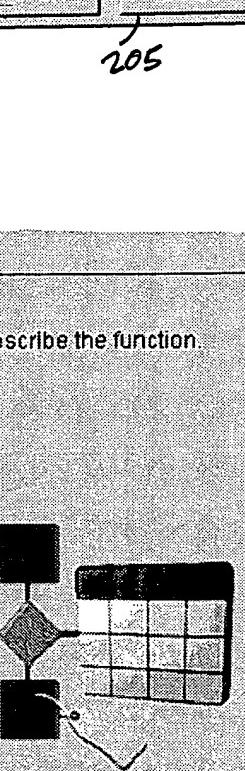
Select whether to build a receive message UDF, receive message UDF, or both.

201 Build a receive (destructive read) message UDF

202 Build a read message UDF

203 Build both a receive and read message UDF

204 

205 

Next ▶ Finish Cancel

FIG. 3

1. UDF Type
2. UDF Name
3. Target Database
4. Source MQ
5. Message Format
6. Column Definition
7. Options
8. Summary

UDF Name

Specify the name of the table UDF, and optionally type a comment to describe the function.

Receive message UDF

Name: MQRECEIVEUDF

Comment:

Read message UDF

Name: MQREADUDF

Comment:

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FIG. 4

1. UDF Type
 2. UDF Name
 3. Target Database
 4. Source MQ
 5. Message Format
 6. Column Definition
 7. Options
 8. Summary

Target Database

Specify the DB2 database where you would like to store the user-defined table function.

Database: 220

Use your current user ID and password 221

User ID:

Password: 222

[Test Connection](#) 223

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FIG. 5

1. UDF Type
 2. UDF Name
 3. Target Database
 4. Source MQ
 5. Message Format
 6. Column Definition
 7. Options
 8. Summary

Source MQ

230

Use default specification

Specify service point and policy 231

Service point name:

Policy name:

232

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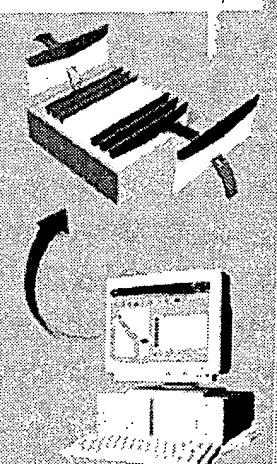


FIG. 6

10002565000000000000

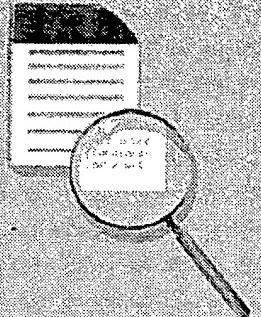
1. UDF Type 2. UDF Name 3. Target Database 4. Source MQ 5. Message Format 6. Column Definition 7. Options 8. Summary	<h3>Message Format</h3> <p>Specify how the column data is identified within the source message. If you have previously saved the column data format and definition in a file, enter the file name.</p> <p>Column data format</p> <p><input checked="" type="radio"/> Specify column data format — 240</p> <p><input checked="" type="radio"/> Delimited — 242</p> <p>Delimiter character <input type="text" value="%"/></p> <p><input type="radio"/> Fixed-length — 243</p> <p><input type="radio"/> Read column data format and definitions from a file — 241</p> <p>Filename <input type="text" value="mySpec.xml"/></p> <p>Show Sample Content — 244</p> <p style="text-align: right;">◀ Back Next ▶ Finish Cancel</p> 
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FIG. 7

1. UDF Type 2. UDF Name 3. Target Database 4. Source MQ 5. Message Format 6. Column Definition 7. Options 8. Summary	<h3>Column Definition</h3> <p>Define the columns within the MQ message. The column definition must correspond to the column data within the MQSeries message and determines the table UDF column output. Click Add or Change to add or modify a column definition.</p> <p>Columns — 250</p> <table border="1"> <thead> <tr> <th>Name</th> <th>SQL type</th> </tr> </thead> <tbody> <tr> <td>COL1</td> <td>varchar(12)</td> </tr> <tr> <td>COL2</td> <td>decimal(8,2)</td> </tr> <tr> <td>COL3</td> <td>char(8)</td> </tr> <tr> <td>COL4</td> <td>date</td> </tr> </tbody> </table> <p>— 251</p> <p>— 252</p> <p>Add</p> <p>Change — 253</p> <p>Remove — 254</p> <p>Move Up</p> <p>Move Down</p> <p>Sample result — 255</p> <p>◀ Back Next ▶ Finish Cancel</p>	Name	SQL type	COL1	varchar(12)	COL2	decimal(8,2)	COL3	char(8)	COL4	date
Name	SQL type										
COL1	varchar(12)										
COL2	decimal(8,2)										
COL3	char(8)										
COL4	date										

FIG. 8

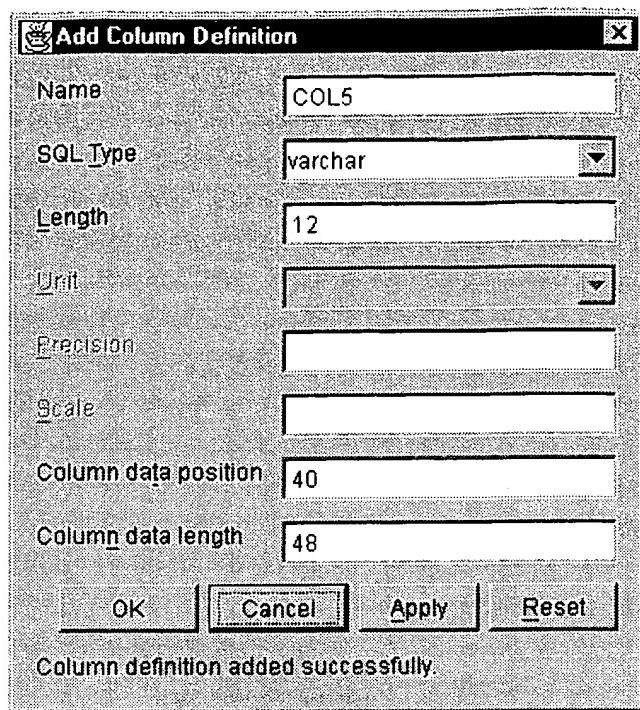


FIG. 8A

Name	SQL type	Value
COL1	varchar(12)	tanya couch
COL2	decimal(8,2)	35.55
COL3	char(8)	San Jose
COL4	date	1992-10-27

FIG. 8B

1 UDF Type
 2 UDF Name
 3 Target Database
 4 Source MQ
 5 Message Format
 6 Column Definition
 7 Options
 8 Summary

Options

Specify whether to create a view of the table UDF, and whether to save the column data format and definitions to a file for the next time you create a UDF using this wizard.

Create a corresponding table view - 260

Receive message UDF

261 View name for receive UDF db2admin.recvview1

264 View comment for receive UDF view of table function

Read message UDF

View name for read UDF db2admin.rview1

View comment for read UDF

Save the column definitions to a file - 262

263 Filename coldefinitions

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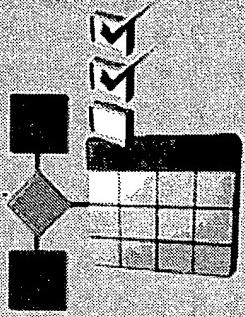


FIG. 9

1000325655 010202

20037659-010302

1. UDF Type
2. UDF Name
3. Target Database
4. Source MQ
5. Message Format
6. Column Definition
7. Options
8. Summary

Summary

The table UDF options are summarized below. When you click finish the table UDF will be built. Ensure that the MQSeries Integration Functions are installed before running the UDF.

Summary of table UDF options

Name	Value
Build both a receive and read message UDF	Selected
Receive message UDF	MQRECEIVEUDF
Read message UDF	MQREADUDF
Comment	

Summary of table UDF columns

Name	SQL type
COL1	varchar(12)
COL2	decimal(8,2)
COL3	char(8)
COL4	date

271 — Show SQL

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270 FIG. 10

SQL statements

```

CREATE FUNCTION MQRECEIVEUDF0
RETURNS TABLE ( COL1 varchar(12),
    COL2 decimal(8,2),
    COL3 char(8),
    COL4 date )
LANGUAGE SQL
NOT DETERMINISTIC
EXTERNAL ACTION
READS SQL DATA
RETURN SELECT
    VARCHAR(DB2MQ.GETCOL(T.MSG,'%',1),12),
    DEC(DB2MQ.GETCOL(T.MSG,'%',2),8,2),
    CHAR(DB2MQ.GETCOL(T.MSG,'%',3),8),
    DATE(DB2MQ.GETCOL(T.MSG,'%',4)) FROM TABLE
(DB2MQ.MQRECEIVEALL0) AS T;

```

Close

FIG. 10A